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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/996,718	11/30/2001	Won Uk Yu	P-0303	3711
34610	7590	07/28/2005	EXAMINER	
FLESHNER & KIM, LLP			JAROENCHONWANIT, BUNJOB	
P.O. BOX 221200			ART UNIT	PAPER NUMBER
CHANTILLY, VA 20153			2143	

DATE MAILED: 07/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/996,718

Applicant(s)

YU, WON UK

Examiner

Bunjoo Jaroenchonwanit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 April 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. In response to the amendment filed 04/12/05, Examiner notes, claims 1-16 are amended, claims 17-23 are added; claims 1-23 are pending for examination. Newly rejections are as stated below.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
4. Claim 1 recites the limitation "the authorization number" in line 11. There is insufficient antecedent basis for this limitation in the claim.
5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
6. Claims 1-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant admitted Prior Art ("AAPA", hereafter) and further in view of Nobakht (US 6,785,716).
7. Regarding claims 1, 2, 7, 16 and 17, AAPA discloses the invention substantially, as claimed, including, *a method for accessing the Internet using an Internet TV in an Internet TV system comprising the internet TV, in which a function of accessing the Internet and a function of receiving a TV broadcast are combined and a server for operating a portal site, which provides information to the Internet TV, the method comprising: transmitting a message from the Internet TV to the sever requesting*

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authentication (AAPA, 210, Fig. 1-2). AAPA is silent on steps of improving authentication process, which, however, are taught by Nobakht as follow:

transmitting a message from the server requesting an authentication number from the Internet TV (Nobakht, 720, Fig. 7).

transmitting the requested authentication number from the Internet TV to the server (715, Fig. 7) *and if the authorization number is available, checking a validity of the transmitted authentication number* (Nobakht, 730, Fig. 7), *and providing information to the Internet TV if it is determined that the authorization is valid* (Nobakht, 735-750, Fig. 7); and

requesting a new authentication number from the server if the authentication number is not available (Nobakht teaches, if a request is not from residential, then the request is considered invalid and issued a guest access authorization code, Col.13, lines 20-29), *registering a user in accordance with information collected by the server* (Nobakht teaches server update user and terminal information, Col.11, lines 22-41), *receiving a new authentication number from the server and providing information to the Internet* (Nobakht, Col.13, lines 20-36).

Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to adapt and incorporate the detail steps as Nobakht's suggestion for improving authentication process in a prior art Internet TV system with the motivation of enhancing system's capability of accessing re-authorization, unauthorized-access notification. Such improvement would make attractive products that could be easily marketed, because the added features would enable service providers to

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communicate and motivate their subscribers to retain their subscription, which translated to maintaining revenue and profit margins to the providers.

Regarding claims 2, 7, 16 and 17, are analog to claim 1, therefore rejected by the same rationale.

8. Regarding claims 3, 8 and 20, AAPA-Nobakht discloses capability of determining state client's device, e.g., *default state*, compare authentication code, allowing a user to input information regarding to authorization code, receiving and storing user information, as discussed in ¶ above.
9. Regarding claims 4-6, 9, 10, 21 and 23, AAPA-Nobakht discloses the invention substantially, as claimed, as described in claim 2, including, providing guest access code, if the user is not residential, which inherent a process of making determination the connected client has a proper information, e.g., number or the like, for authentication purpose. Thus, this teaching has functionality equivalent to *determining whether an authentication number is not available*. AAPA-Nobakht also requires user(s) to enter authentication number, which includes serial number of the set-top box, manufacturer date, in order to the server issuing access code to the users, i.e., *requesting the portal server to provide a new authentication number with respect to the use of information; and receiving a new authentication number from the portal server and storing the authentication number in a memory device* (Nobakht, Col.12, line 43-Col. 13, line 29).
10. Regarding claims 11, 12 and 18, AAPA-Nobakht discloses the method of claim 1, including *accessing user information in a database if an error is not detected in the authentication number; and providing information to the Internet TV regarding user fees*

if the user information indicates that a user is registered. AAPA-Nobakht is silent on perform error checking by using checksum concept. Official Notice is taken (see MPEP 2144.03) a notion of using checksum for checking integrity of messages that were transmitted across a network was notorious at the time of the invention was made. The well-known notion has been widely used to ensure reliability and integrity of the transmitted data. The evident of this assertion could be found in many engineering texts (not provided). Thus, regardless of messages' type, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to be motivated and taken advantage from the benefit as stated above by employing the known checksum concept for checking or detecting messages condition, including checking error of an authentication number.

11. Regarding claims 13 and 19, AAPA-Nobakht discloses the invention substantially as discussed ¶ above, including *transmitting an error message when an error is detected in the authentication number; requesting the internet TV to provide user information, and determining whether the user is registered in the database; and transmuted a corresponding authentication number when it is determined that the user is registered in the database* (Nobakht, Col.12, lines 60-66). AAPA-Nobakht however, does not explicitly apply its' event notification delivery mechanisms to deliver the error, which is discovered by checksum notion. In other words, the sources of error are different. However, applying steps or mechanisms that is capable of delivering event notification for notifying an error event, which is generated from different sources, would have been obvious to one of ordinary skill in the art at the time of the invention was made that was a

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matter of choice that depends on the situation and application does not involve inventive steps nor produce any unexpected result.

12. Regarding claims 14, AAPA-Nobakht discloses *registering the user in the database and providing information to the Internet TV when the user information is received*, (Nobakht, Col.11, lines 23-41).
13. Regarding claims 15, AAPA-Nobakht discloses the method of claim 10, further comprising *determining whether a user fee is paid; and transmuting a message to the Internet TV informing that the user fee is not paid*, (Nobakht, Col.12, lines 59-66)
14. Regarding claims 22, AAPA-Nobakht discloses *registering a user in accordance with a user registration form requested by the portal server* (Nobakht, Col.11, lines 24-41).

Response to Arguments

15. Applicant's arguments with respect to claims 1-23 have been considered but are moot in view of the new ground(s) of rejection.
16. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

17. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bunjob Jaroenchonwanit whose telephone number is (571) 272-3913. The examiner can normally be reached on 8:00-17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Bunjob Jaroenchonwanit
Primary Examiner
Art Unit 2143

/bj
7/18/05